

MCM2 (Phospho-Ser40) Rabbit mAb

Catalog No: #52698

Package Size: #52698-1 50ul #52698-2 100ul

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Description

Product Name	MCM2 (Phospho-Ser40) Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	S03-1B3
Isotype	IgG
Purification	Affinity Purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic phosphopeptide corresponding to residues surrounding Ser40 of human MCM2
Conjugates	Unconjugated
Modification	Phosphorylated
Other Names	BM28; CCNL1; CDCL1; cdc19; DFNA70; D3S3194; MITOTIN
Accession No.	Swiss-Prot:P49736GenelD:4171
Calculated MW	Predicted band size: 102 kDa
SDS-PAGE MW	Observed band size: 125 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

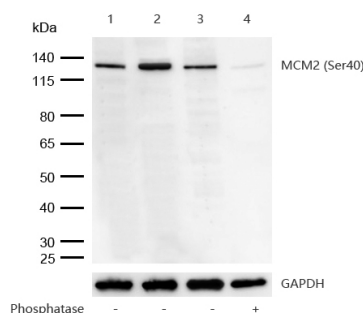
Application Details

WB: 1:500-1:2000

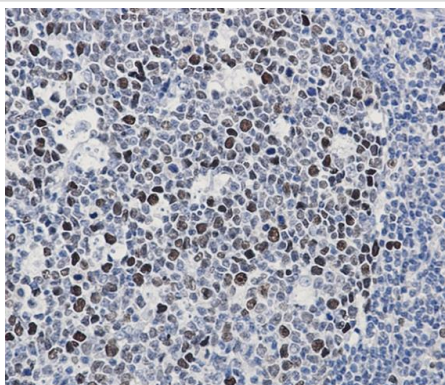
ICC/IF: 1:50-1:200

IHC: 1:50-1:200

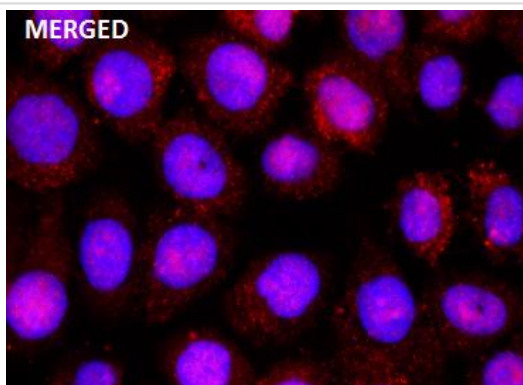
Images



All lanes : MCM2 (Phospho-Ser40) Rabbit mAb at 1/1k dilution
 Lane 1 : 3T3 whole cell lysates
 Lane 2 : C6 whole cell lysates
 Lane 3 : HeLa whole cell lysates
 Lane 4 : HeLa treated with Lambda Protein Phosphatase for 30min whole cell lysates/proteins at 20 µg per lane.
 Secondary All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution
 Predicted band size: 102 kDa Observed band size: 125 kDa
 Exposure time: 6 seconds



Formalin-fixed, paraffin-embedded human tonsil tissue stained for MCM2 (Phospho-Ser40) using 52698 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence MCM2 (Phospho-Ser40) antibody(52698)
 ICC/IF staining of MCM2 (Phospho-Ser40) in HeLa cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.
 Samples were incubated with 52698 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 647 goat anti rabbit, used at a dilution of 1/500.
 Nuclei were counterstained with DAPI.

Background

The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are involved in the initiation of eukaryotic genome replication. The hexameric protein complex formed by MCM proteins is a key component of the pre-replication complex (pre_RC) and may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. This protein forms a complex with MCM4, 6, and 7, and has been shown to regulate the helicase activity of the complex. This protein is phosphorylated, and thus regulated by, protein kinases CDC2 and CDC7. Multiple alternatively spliced transcript variants have been found, but the full-length nature of some variants has not been defined. [provided by RefSeq, Oct 2012]

Note: This product is for in vitro research use only and is not intended for use in humans or animals.